American Scientist Annual Index, Volume 92, 2004

Articles

Allen, John, Joel Bruss and Hanna Damasio, *The Structure of the Human Brain*, May, 246

Brown, Paul, *Mad-Cow Disease in Cattle and Human Beings*, Jul., 334

Bertness, Mark, Brian Silliman and Robert Jefferies, *Salt Marshes Under Siege*, Jan., 54

Cacchione, David, and Lincoln Pratson, *Internal Tides and the Continental Slope*, Mar., 130

Cline, James, *The Origin of Matter*, Mar., 148

Dorman, Michael F., and Blake S. Wilson, *The Design and Function of Cochlear Implants*, Sept., 436

Fortey, Richard, *The Lifestyles of the Trilobites*, Sept., 446

Harris, Christine, *The Evolution of Jealousy*, Jan., 62

Gribble, Gordon, *Amazing Organohalogens*, Jul., 342

Hogan, Zeb, Peter B. Moyle, Bernie May and M. Jake Vander Zanden and Ian G. Baird, *The Imperiled Giants of the Mekong*, May, 228

Kiesecker, Joseph, Lisa Belden, Katriona Shea and Michael Rubbo, *Amphibian Decline and Emerging Disease*, Mar., 138

Lee, Richard F., and Marc E. Frischer, *The Decline of the Blue Crab*, Nov., 548

Loewen, Eric P., *Heavy-Metal Nuclear Power*, Nov., 522

McLaughlin, William, and Sylvia Miller, *The Shadow Effect and the Case of Félix Tisserand*, May, 262

Moore, Jim, *The Puzzling Origins of AIDS*, Nov., 540

Murphy, Brendan, and Damian Nance, *How Do Supercontinents Assemble?* Jul., 324

Nixon, Scott, *The Artificial Nile*, Mar., 158

Obhi, Sukhvinder, and Patrick Haggard, *Free Will and Free Won't*, Jul., 358

Ogle, Brenda M., and Jeffrey L. Platt, *The Biology of Cell Fusion*, Sept., 420

Pelrine, Ronald E., *Diamagnetic Levitation*, Sept., 428

Pichersky, Eran, *Plant Scents*, Nov., 514

Purcell, Jessica, Alan Brelsford and Michael Kessler, *The World's Highest Forest*, Sept., 454

Schnellmann, Michael, Flavio Anselmetti, Domenico Giardini, Judith McKenzie and Steven Ward, *Ancient Earthquakes at Lake Lucerne*, Jan., 46

Sexton, Ken, Larry Needham and James Pirkle, *Human Biomonitoring of Environmental Chemicals*, Jan., 38

Sharon, Eran, Michael Marder and Harry Swinney, *Leaves, Flowers and Garbage Bags: Making Waves*, May, 254

Shawhan, Peter, *Gravitational Waves and the Effort to Detect Them*, Jul., 350

Simcoe, Robert, *The Cosmic Web*, Jan., 30

Sosis, Richard, *The Adaptive Value of Religious Ritual*, Mar., 166

Thomas, John, and Michael Gehm, *Optically Trapped Fermi Gases*, May, 238

Weisman, Ronald, and Laurene Ratcliffe, *Relative Pitch and the Song of Black-Capped Chickadees*, Nov., 532

Macroscope

Smil, Vaclav, *Garrett James Hardin (Dallas 1915–Santa Barbara 2003)*, Jan., 8; Goodchild, Fiona, *The Pipeline: Still Leaking*, Mar., 112; Grasso, Domenico, *Engineering and the Human Spirit*, May, 206; Hough, Susan, *Writing on the Walls*, Jul., 302; Laszlo, Pierre, *Science as Play*, Sept., 398

Marginalia

Hoffmann, Roald, *The Story of O*, Jan., 23; Morrison, Philip, *A Tour of Geological Spacetime*, Mar., 120; Thomson, Keith S., *A Palaeontological Puzzle Solved?* May, 209; Hoffmann, Roald, *Meissen Chymistry*, Jul., 312; Fernie, Donald, *Astronomy and the Great Pyramids*, Sept., 406; Shipman, Pat, *Growing Up Neandertal*, Nov., 506

Computing Science

Hayes, Brian, *Qwerks of History*, Jan., 12; *Small Town Story*, Mar., 115; *g-ology*, May, 212; *Undisciplined Science*, Jul., 306; *Bugs That Count*, Sept., 401; *Ode to the Code*, Nov., 494.

Engineering

Petroski, Henry, *Boat Lifts*, Jan., 18; *Deployable Structures*, Mar., 122; *Pyramids as Inclined Planes*, May, 218; *Big Dig, Big Bridge*, Jul., 316; *Lives of the Engineers*, Sept., 410; *Past and Future Failures*, Nov., 500

Science Observer

Brodie, Chris, *Head in Hand*, Jan., 27; *No Use Moving the Cheese*, May, 226; *TNT and Talking Cells*, Sept., 415

Diller, Frank, *South Beach Diet*, Jul., 322

Esty, Amos, *The New Wealth of Nations*, Nov., 513

Reid, Rosalind, and Brian Hayes, *Viva la Ciencia*, Sept., 416

Ross, Gregory, *Woofers and Tweeters*, Jan., 28; *Insect Inspiration*, Mar., 128; *Descending Scales*, May, 224; *Beauty and the Brain*, Nov., 512

Schneider, David, *Note to Truckers: Drink More Coffee*, Mar., 127; *Sea Change*, Jul., 321; *It Came from Outer Space?* Nov., 510

Szpir, Michael, *Galactic Leftovers*, Mar., 129; *V838 Mon: A Stellar Mystery*, May, 225

Sightings

Frankel, Felice, with Eric J. Heller, Jan., 72; with Ben Fry, Mar., 173; with Michael Berry, May, 268; with John Bush, Jul., 366; with Jeff Hester, Sept., 462; with Emad Tajkhorshid, Nov., 554

Book Reviews (Major)

Bernero, Robert M., a review of *Three Mile Island* by J. Samuel Walker, Nov., 561

Blair, Peter D., a review of *The End of Oil* by Paul Roberts; *Energy at the Crossroads* by Vaclav Smil; and *Power to the People* by Vijay V. Vaitheeswaran, May, 270

Carlson, Shawn, a review of *Bolt of Fate* by Tom Tucker; *An Entertainment for Angels* by Patricia Fara; and *Draw the Lightning Down* by Michael Brian Schiffer, Jan., 77

Dorit, Robert, a review of *Evolution's Rainbow* by Joan Roughgarden, Sept., 464

Grafton, Anthony, a review of *Maps of Time* by David Christian, Jul., 379

Harman, Oren Solomon, a review of *An Elusive Victorian* by Martin Fichman; *The Heretic in Darwin's Court* by Ross A. Slotten; and *In Darwin's Shadow* by Michael Shermer, Sep., 470

Kimbel, William H., a review of *Lowly Origin* by Jonathan Kingdon, May, 274

LeDoux, Joseph E., a review of *Memory and Emotion* by James L. McGaugh, Mar., 180

Levine, Robert, a review of *The Man Who Shocked the World* by Thomas Blass, Jul., 368

Malone, Thomas F., a review of *Red Sky at Morning* by James Gustave Speth, Sept., 467

Mnookin, Jennifer L., a review of *Laws of Men and Laws of Nature* by Tal Golan, Nov., 556

Olesko, Kathryn M., a review of *Masters of Theory* by Andrew Warwick, May, 276

Rabinow, Paul, a review of *The Genome War* by James Shreeve, Jul., 376

Schweber, S. S., *Oppenheimer* by Jeremy Bernstein, Sept., 473

Shapin, Steven, a review of *The Travels and Adventures of Serendipity* by Robert K. Merton and Elinor Barber, Jul., 374

Shieber, Stuart M., a review of *Turing* by Christos H. Papadimitriou, May 273

Smolin, Lee, a review of *The Fabric of the Cosmos* by Brian Greene, Jul., 371

Stover, Eric, a review of *Pathologies of Power* by Paul Farmer, Mar., 178

Strasser, Bruno J., a review of *George Beadle* by Paul Berg and Maxine Singer, Mar., 176

Sullivan, Kathryn D., a review of *Promised the Moon* by Stephanie Nolen; *The Mercury 13* by Martha Ackmann; and *Almost Heaven* by Bettyann Holtzmann Kevles, Jan., 74

Toffoli, Tommaso, a review of *Probability Theory* by E. T. Jaynes, edited by G. Larry Bretthorst, Mar., 182

Wake, David B., a review of *Speciation* by Jerry A. Coyne and H. Allen Orr, Nov., 558